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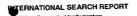
PCT/EP2004/010315 A. CLASSIFICATION OF SUBJECT MATTER TPC 7 F28D7/16 F28F9/16 F28F7/02 According to international Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED ed (classification system followed by classification symbols) Minimum docum F28D F28F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category . Citation of document, with indication, where appropriate, of the relevant passages 1.3 - 13US 3 668 757 A (OTTO E. RIEDER) 13 June 1972 (1972-06-13) the whole document FR 2 825 456 A1 (VALEO THERMIQUE MOTEUR) 6 December 2002 (2002-12-06) 1-5,8, 11-14 X page 1, lines 6-8 page 3, line 27 - page 6, line 16; figures 1-6 1,5,8,9 PATENT ABSTRACTS OF JAPAN vol. 012, no. 018 (M-660) 20 January 1988 (1988-01-20) & JP 62 176811 A (KOMATSU LTD), 3 August 1987 (1987-08-03) abstract; figures 1-7 -/--X Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "I" later document published after the International fiting date or priority date and not in conflict with the application but dated to understand the principle or theory underlying the invention *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *L* document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other speciel reason (as specified) wronce an invenime step when the document is taken alone
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document is combined with one or more other such documents, such combination being obvious to a person skilled *O* document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent tamily Date of mailing of the International search report Date of the ectual completion of the international search 01/02/2005 25 January 2005 Authorized officer Name end mailing address of the ISA my address of the ISA European Patent Office, P.B. 5616 Patentiaan 2 NL - 2280 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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